Fig. 1: Flow Chart Illustrating the 3 Stages of the Text to Animation Process

Text String → Text Filtering ← 26

↑
12

↓

Pattern Matching using Prase Pattern Library ← 28

↓

Concept Replacement using Concept Replacement Library ← 30

↓

Concept Prioritization ← 32

↓

34 → Universal Phrase Matching ⤏ Concepts ← 16
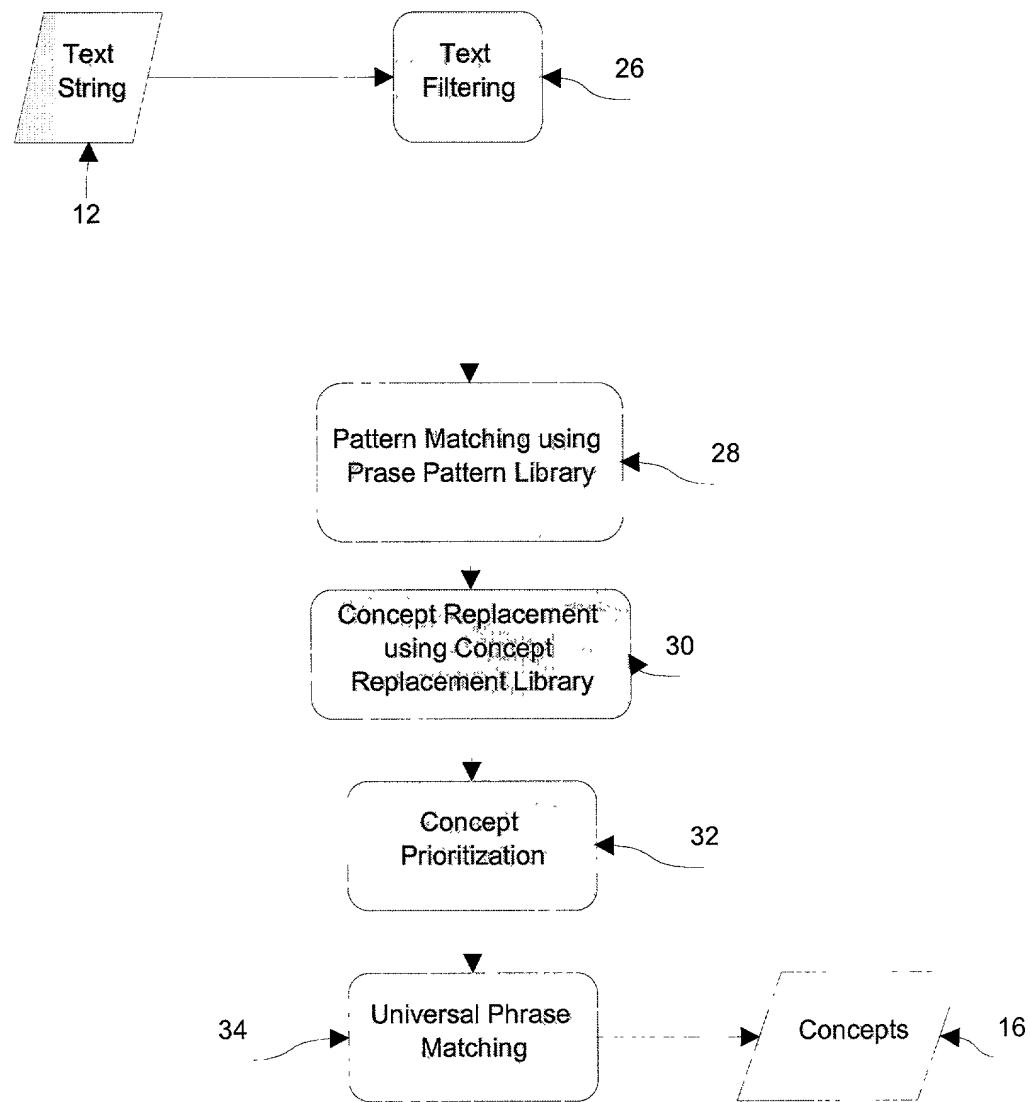
Fig. 2: Detail of Stage 2 Concept Analyzer

Filtered
Text from
Text
Filtering

46

Compare filtered text
to phrase patterns in
Phrase pattern
library

48

Prase Patterns

50

Match phrase
patterns to
associated concepts
in Phrase Pattern
Library

52

Concepts for
input to
Concept
Replacement

54
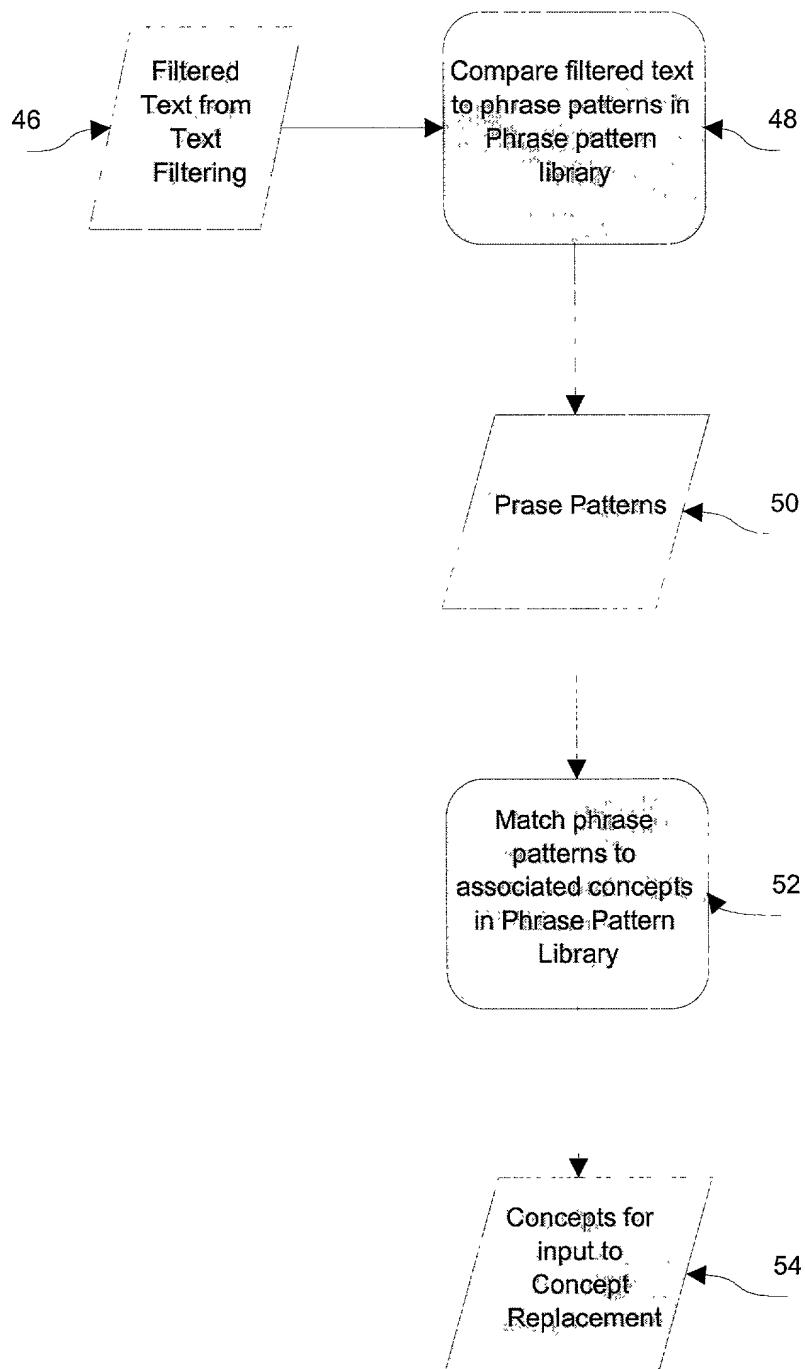
Fig. 3 - Detail of Step 2 Pattern Matching

16 — Concept

18B — 18A
Story
Selector

Story
Components — 20B

36 — Story

38 — Need
Music? — Y — Music
Selector — 18B — Music
Components — 20C

N

40 — Need
Background? — Y — Background
Selector — 18C

N

42 — Need
Prop — Y — Background
Conponents — 20C

N

44 — Need
Speech? — Prop
Selector — 18D

Done

18E — Speech
Selector — Prop
Components — 20D
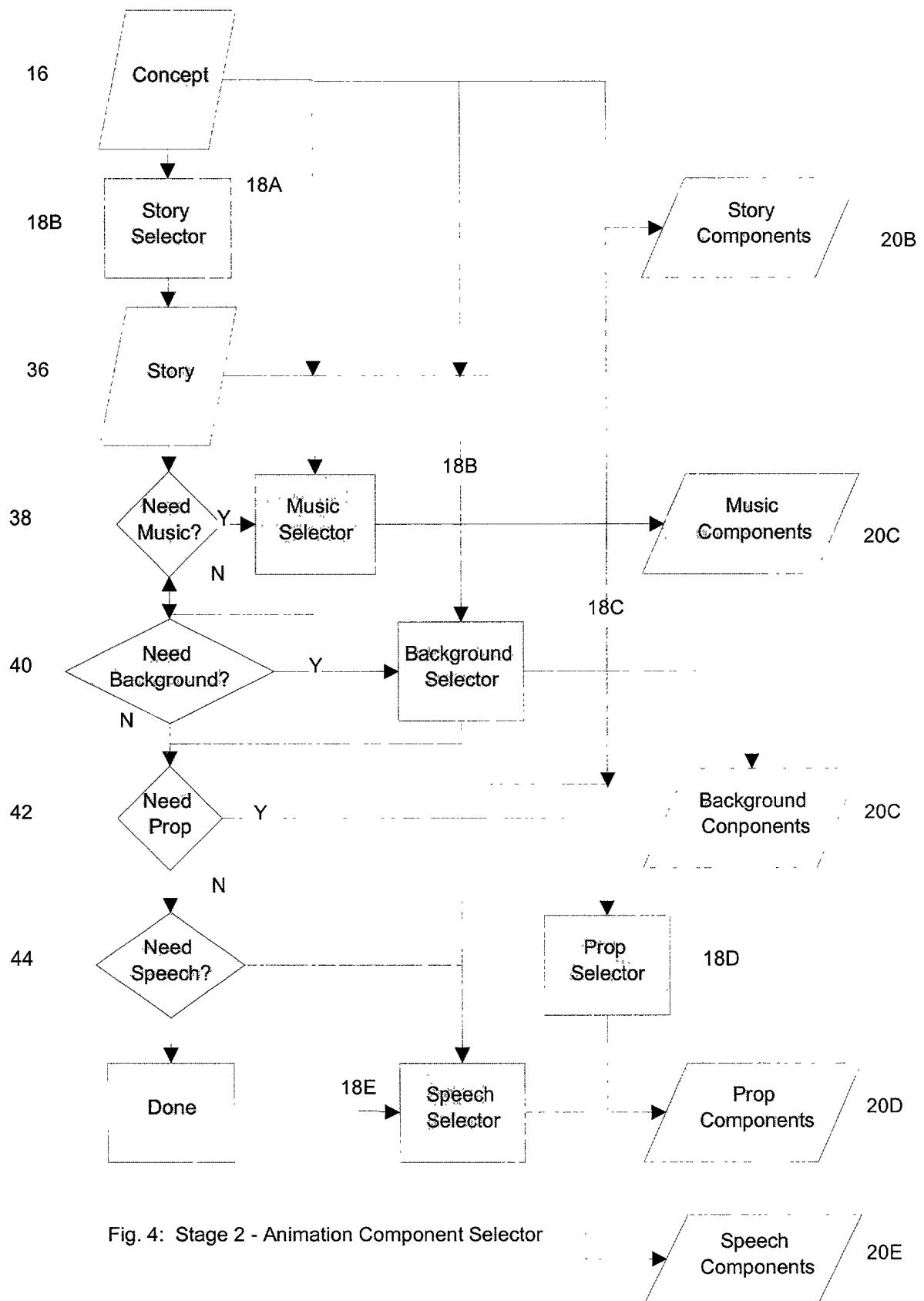
Fig. 4: Stage 2 - Animation Component Selector

Speech
Components — 20E

Story
Components   20A

Music
Components   20B

Background
Components   20C

Prop
Components   20D

Speech
Components

20E

22   Animation Compositor
          (Prior Art)

Final
Animation   24
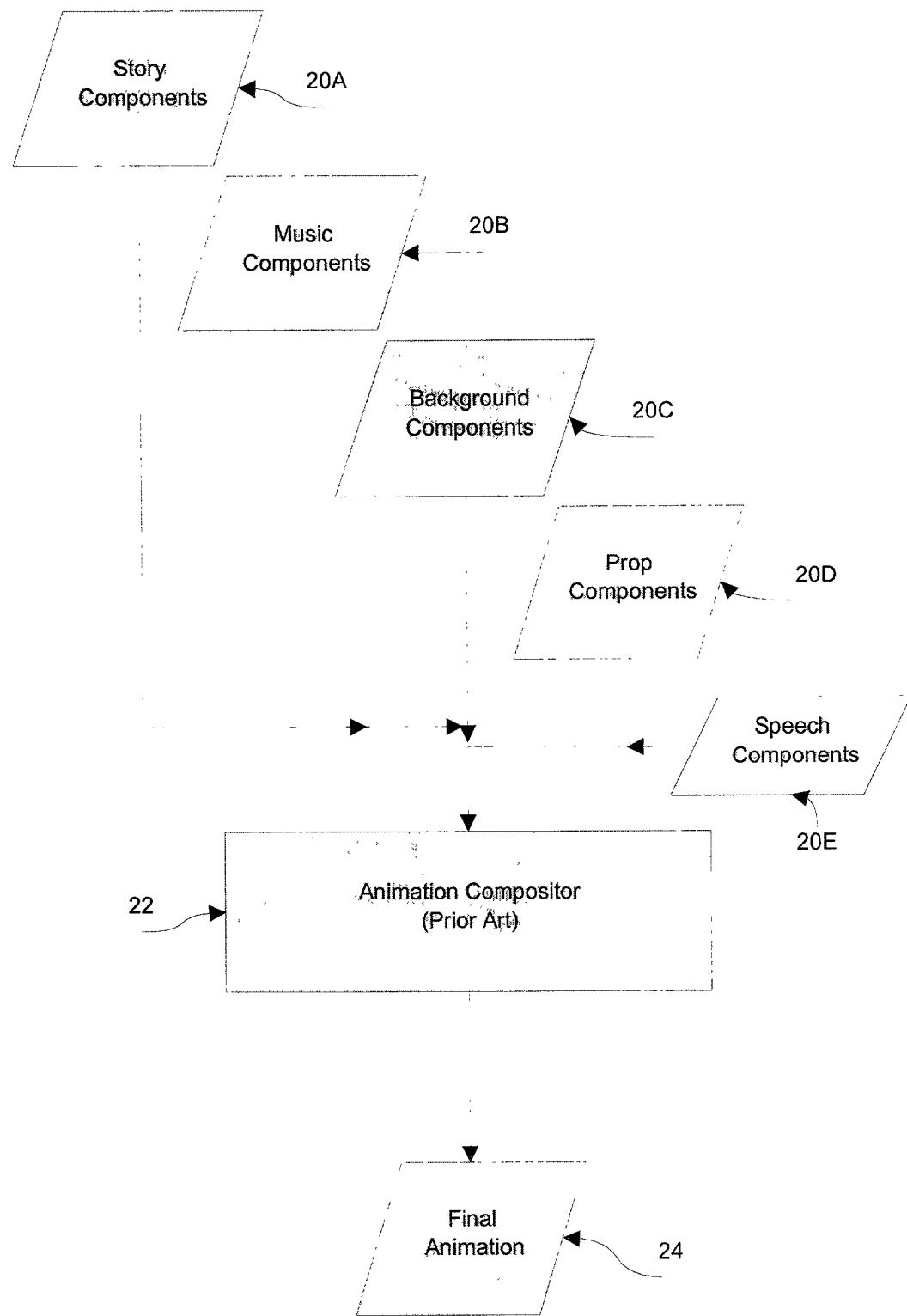
Fig. 5: Stage 3 - Animation Compositor